SOIP0970**00

FIG.1

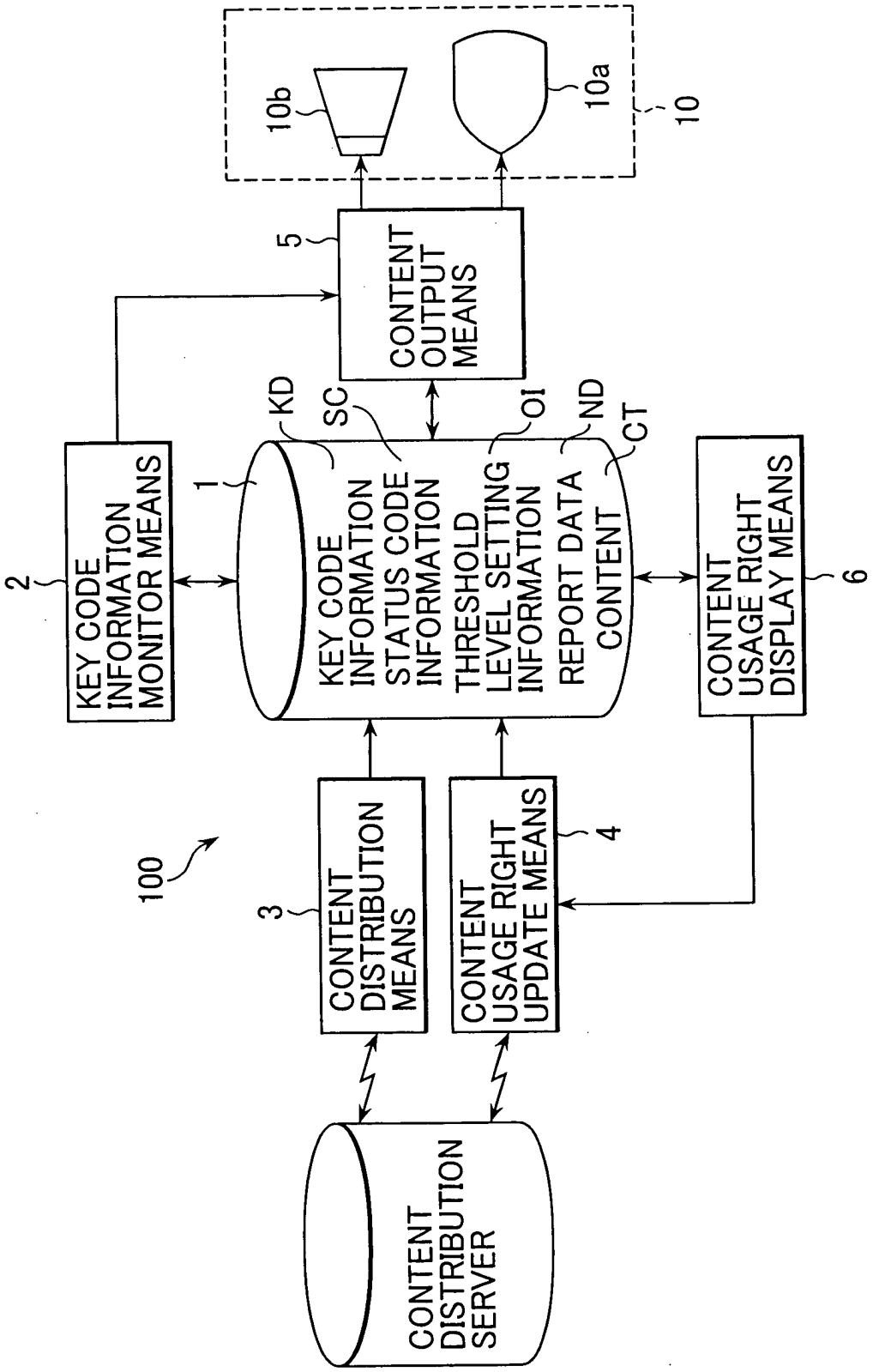


FIG.2A

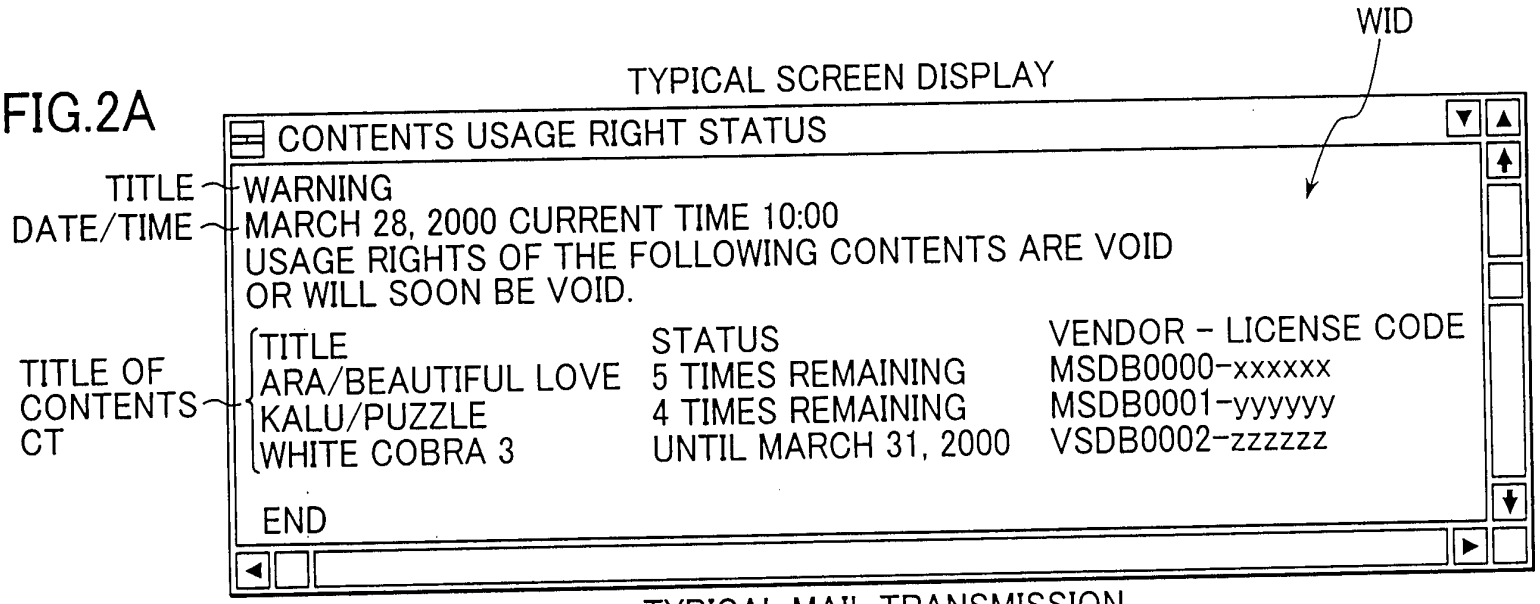

TYPICAL SCREEN DISPLAY
WID
CONTENTS USAGE RIGHT STATUS
TITLE
DATE/TIME
WARNING
MARCH 28, 2000 CURRENT TIME 10:00
USAGE RIGHTS OF THE FOLLOWING CONTENTS ARE VOID
OR WILL SOON BE VOID.
TITLE OF CONTENTS CT
TITLE
ARA/BEAUTIFUL LOVE
KALU/PUZZLE
WHITE COBRA 3
STATUS
5 TIMES REMAINING
4 TIMES REMAINING
UNTIL MARCH 31, 2000
VENDOR - LICENSE CODE
MSDB0000-xxxxxx
MSDB0001-yyyyyy
VSDB0002-zzzzzz
END

FIG.2B

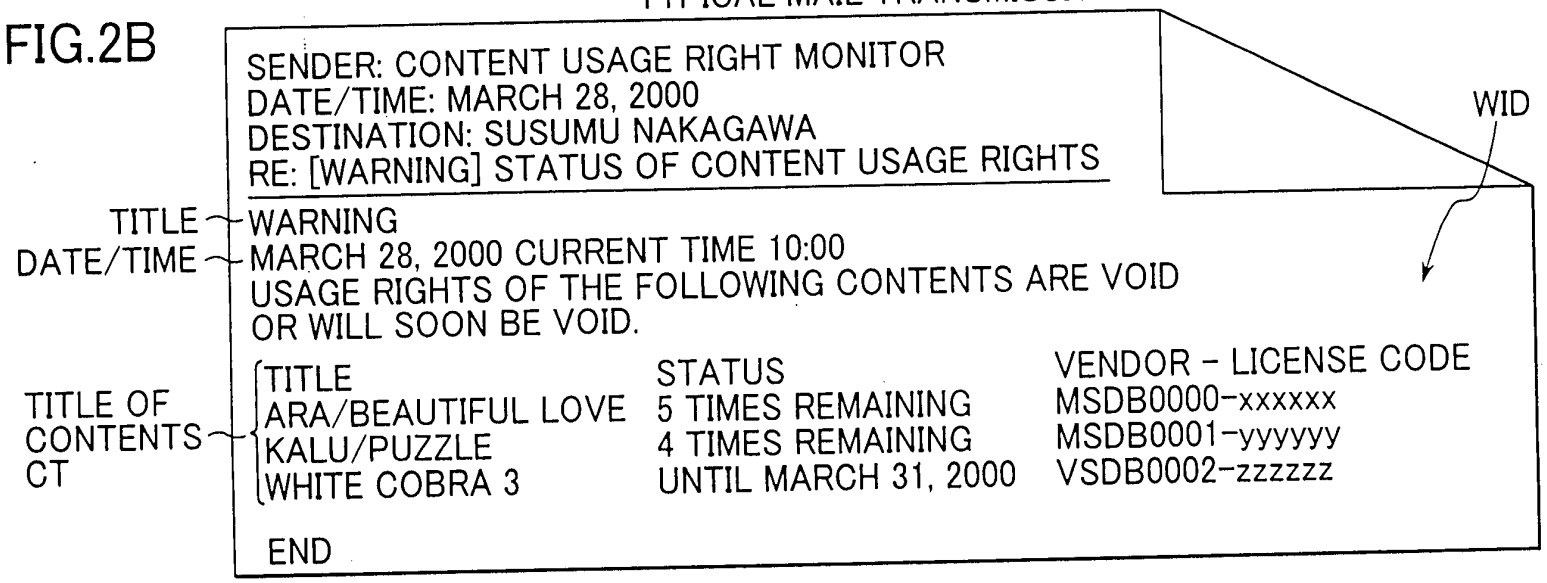

TYPICAL MAIL TRANSMISSION
SENDER: CONTENT USAGE RIGHT MONITOR
DATE/TIME: MARCH 28, 2000
DESTINATION: SUSUMU NAKAGAWA
RE: [WARNING] STATUS OF CONTENT USAGE RIGHTS
WID
TITLE
DATE/TIME
WARNING
MARCH 28, 2000 CURRENT TIME 10:00
USAGE RIGHTS OF THE FOLLOWING CONTENTS ARE VOID
OR WILL SOON BE VOID.
TITLE OF CONTENTS CT
TITLE
ARA/BEAUTIFUL LOVE
KALU/PUZZLE
WHITE COBRA 3
STATUS
5 TIMES REMAINING
4 TIMES REMAINING
UNTIL MARCH 31, 2000
VENDOR - LICENSE CODE
MSDB0000-xxxxxx
MSDB0001-yyyyyy
VSDB0002-zzzzzz
END

FIG.3A

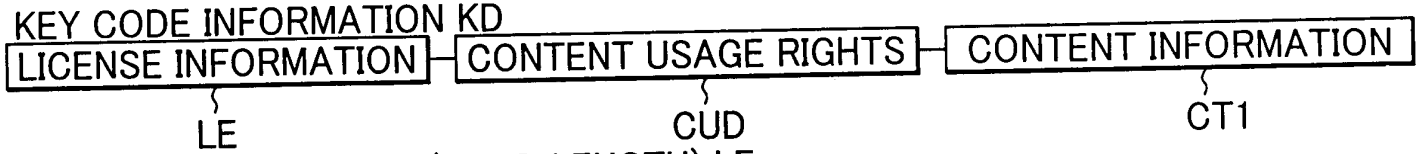



FIG.3B

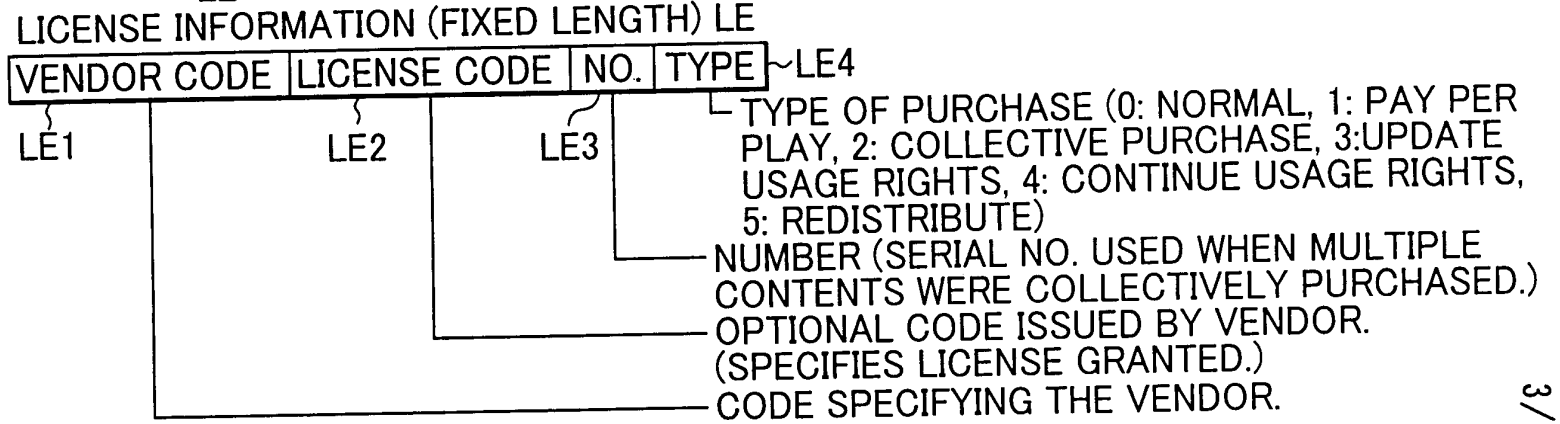



FIG.3C

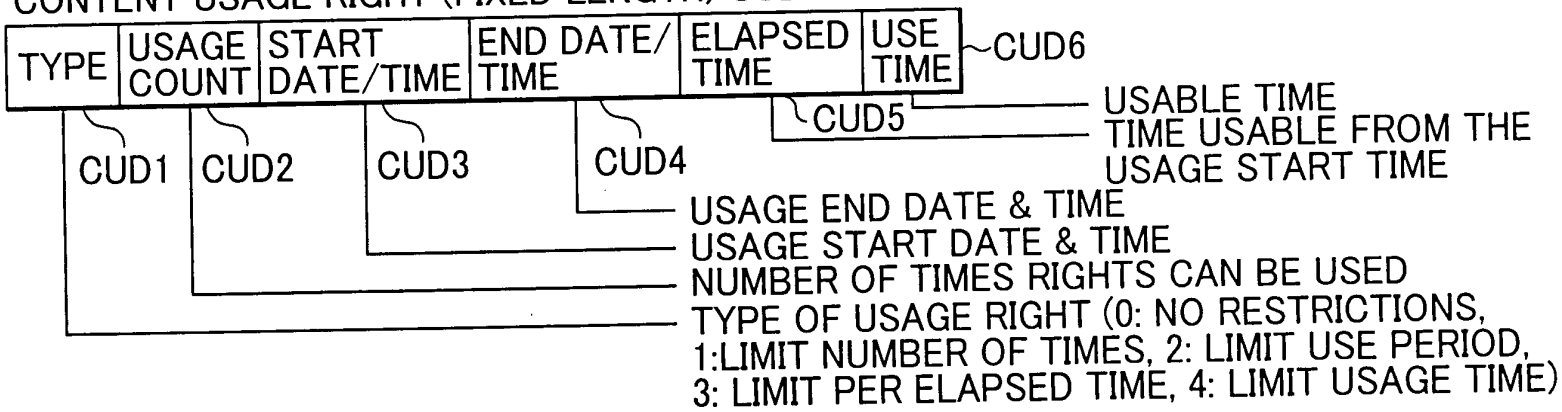



FIG.3D

FIG.4A

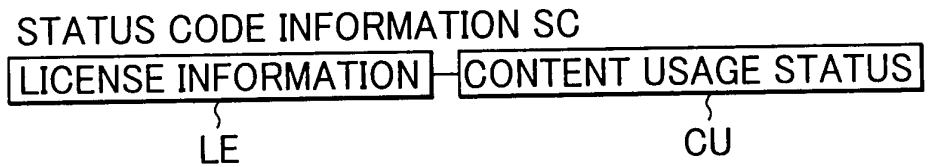



FIG.4B

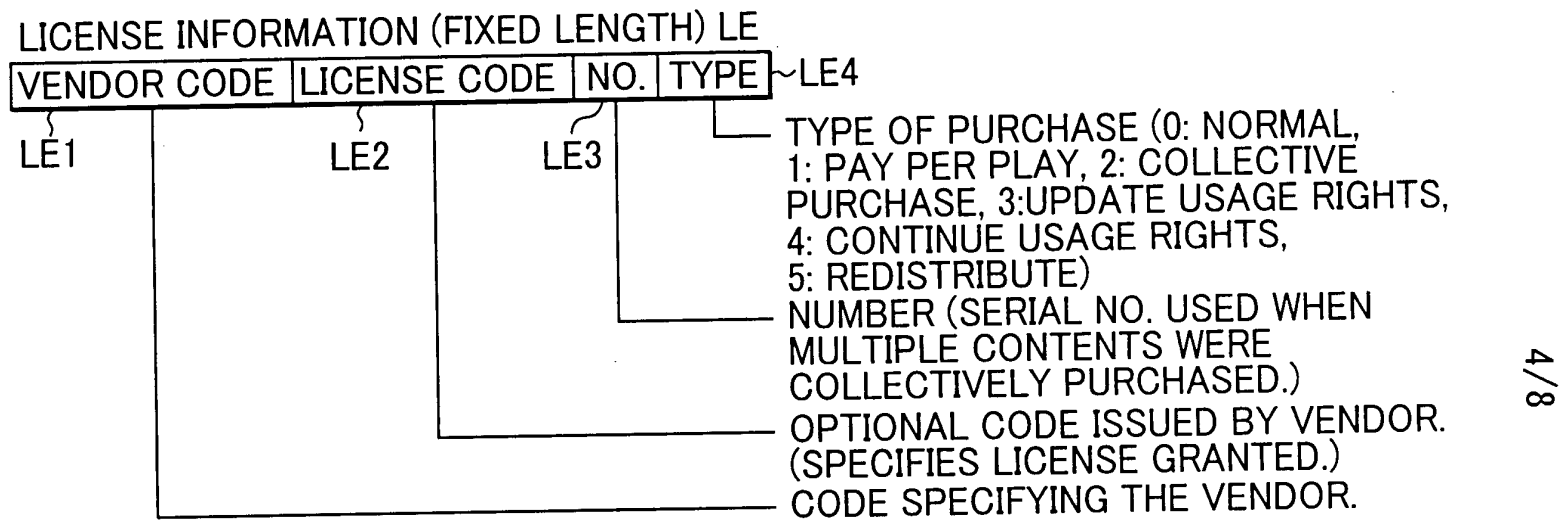
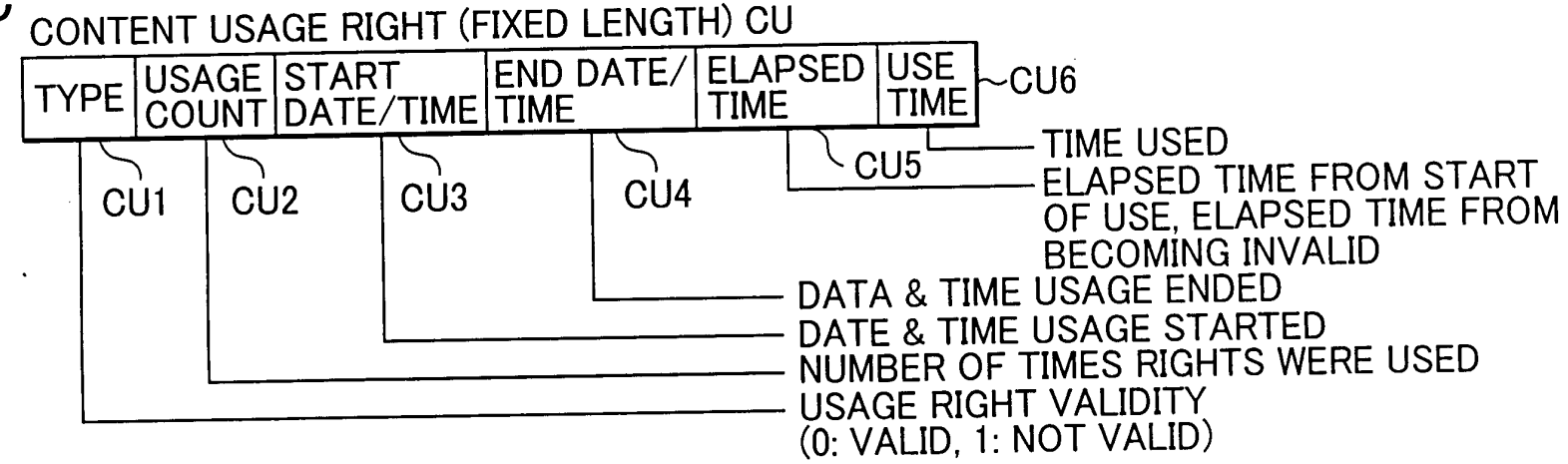



FIG.4C



Translation

FIG.5

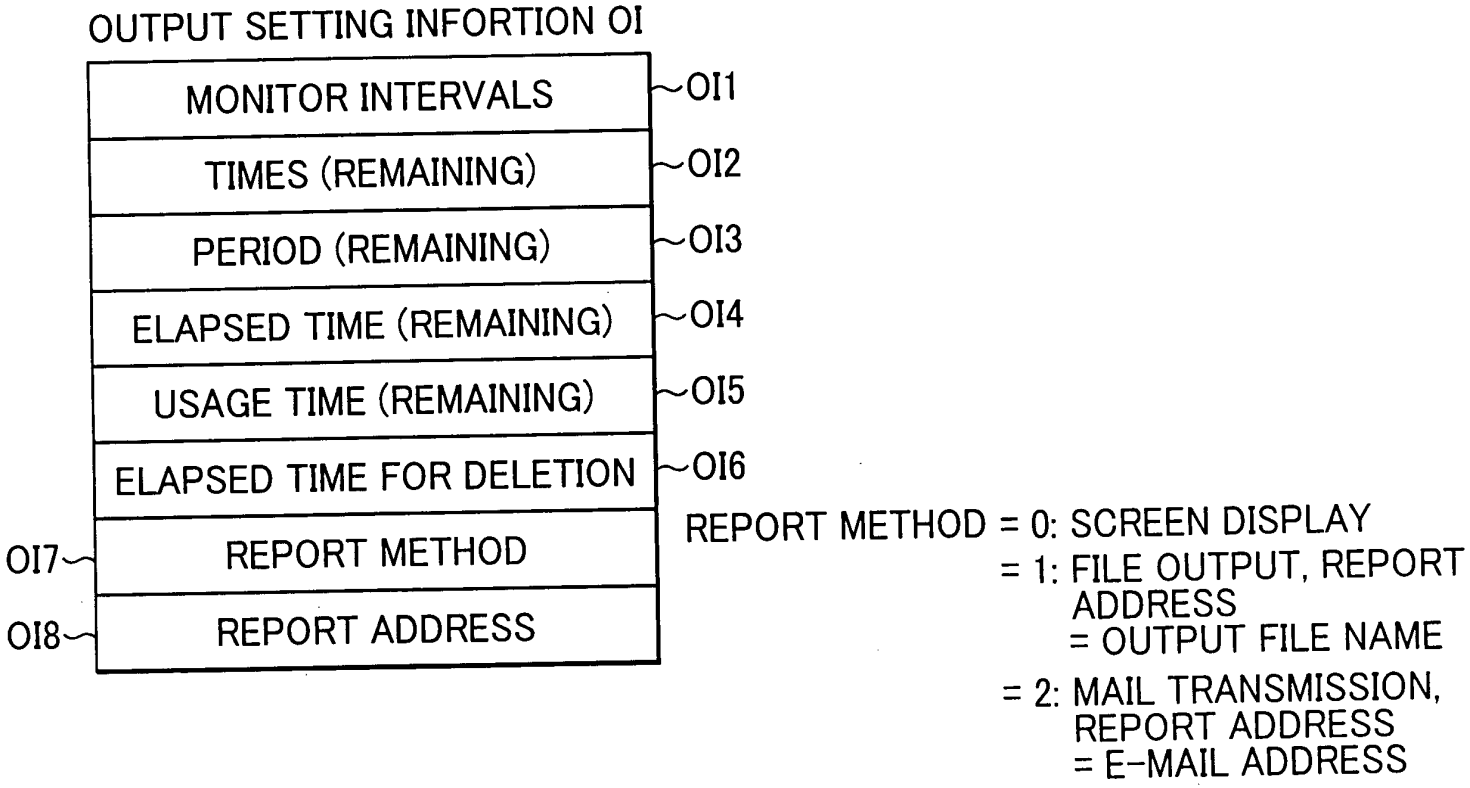


FIG.6

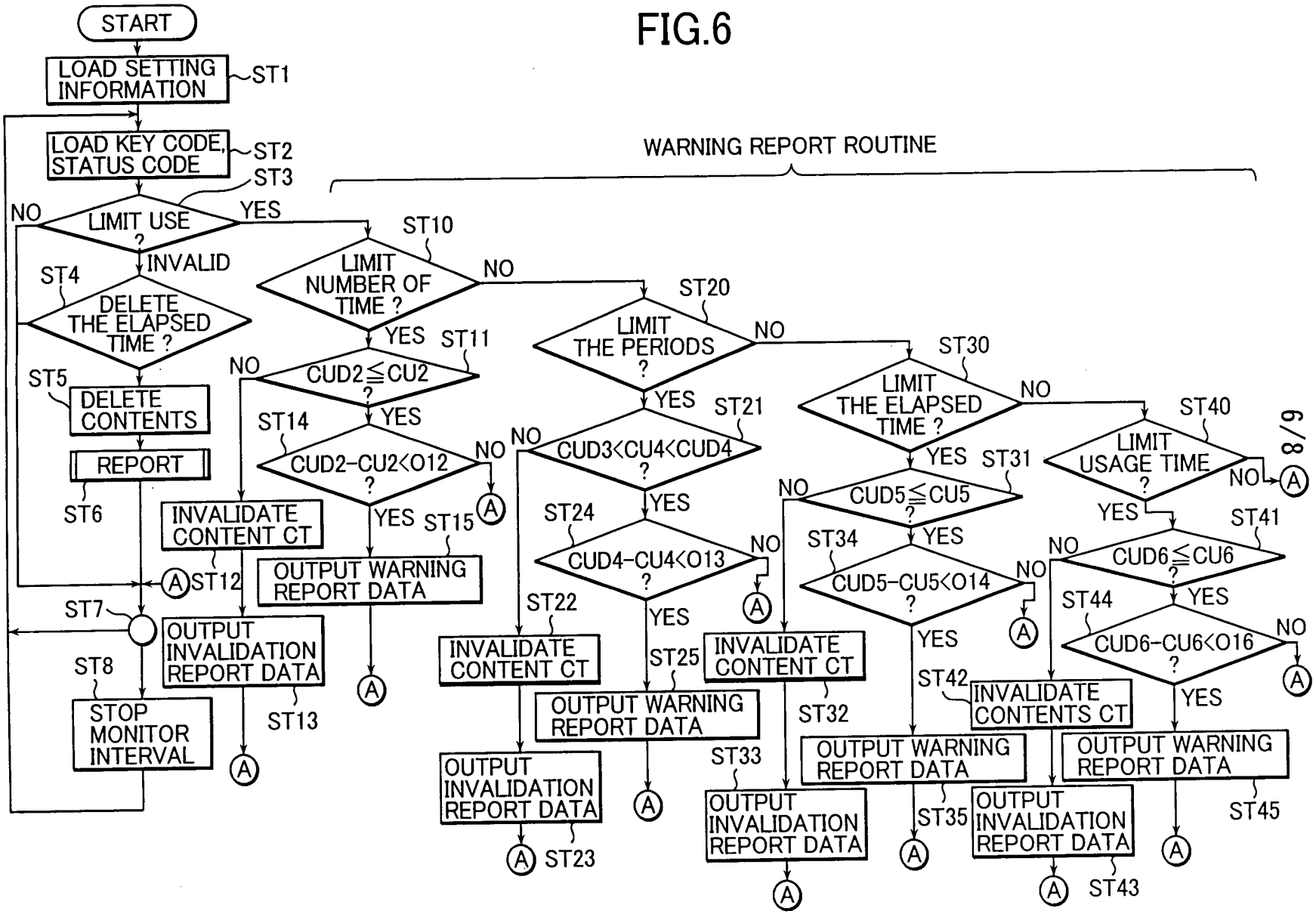

START
LOAD SETTING INFORMATION
ST1
LOAD KEY CODE, STATUS CODE
ST2
ST3
LIMIT USE ?
NO
YES
INVALID
ST4
DELETE THE ELAPSED TIME ?
ST5
DELETE CONTENTS
REPORT
ST6
ST7
ST8
STOP MONITOR INTERVAL
INVALIDATE CONTENT CT
ST12
OUTPUT INVALIDATION REPORT DATA
ST13
WARNING REPORT ROUTINE
ST10
LIMIT NUMBER OF TIME ?
ST11
CUD2≦CU2 ?
ST14
CUD2-CU2<O12 ?
ST15
OUTPUT WARNING REPORT DATA
ST20
LIMIT THE PERIODS ?
ST21
CUD3<CU4<CUD4 ?
ST22
INVALIDATE CONTENT CT
ST23
ST24
CUD4-CU4<O13 ?
ST25
OUTPUT WARNING REPORT DATA
OUTPUT INVALIDATION REPORT DATA
ST30
LIMIT THE ELAPSED TIME ?
ST31
CUD5≦CU5 ?
ST32
INVALIDATE CONTENT CT
ST33
OUTPUT INVALIDATION REPORT DATA
ST34
CUD5-CU5<O14 ?
ST35
OUTPUT WARNING REPORT DATA
ST40
LIMIT USAGE TIME ?
ST41
CUD6≦CU6 ?
ST42
INVALIDATE CONTENTS CT
ST43
OUTPUT INVALIDATION REPORT DATA
ST44
CUD6-CU6<O16 ?
ST45
OUTPUT WARNING REPORT DATA
A

FIG.7

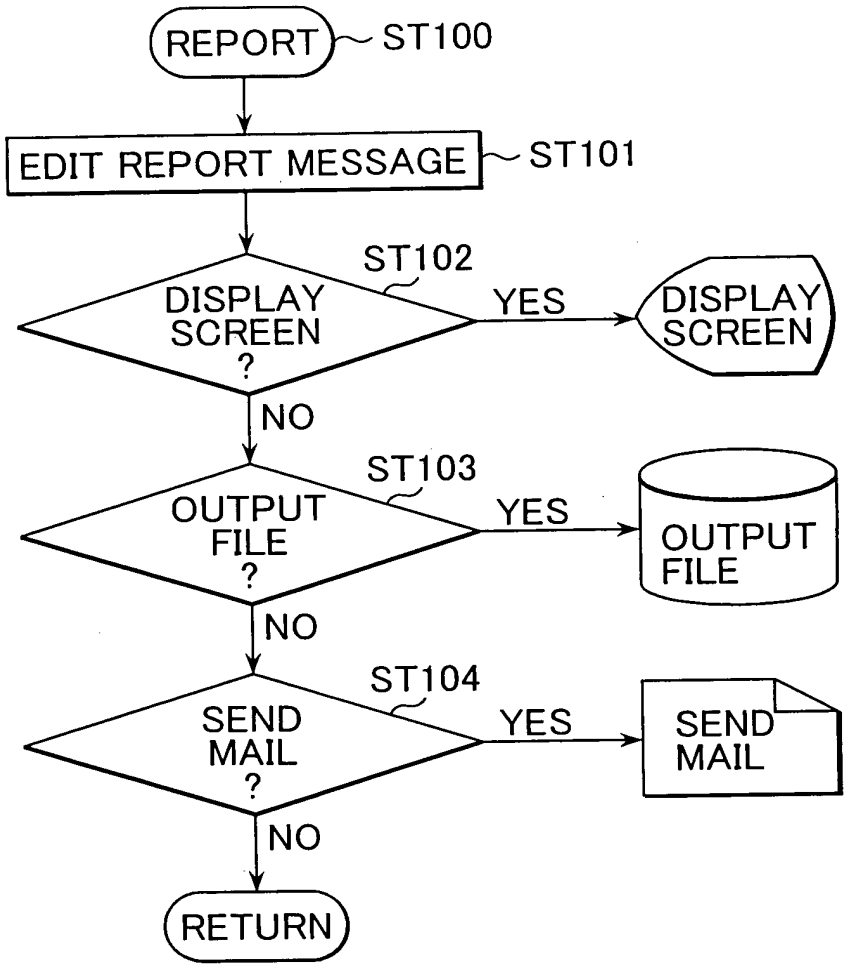
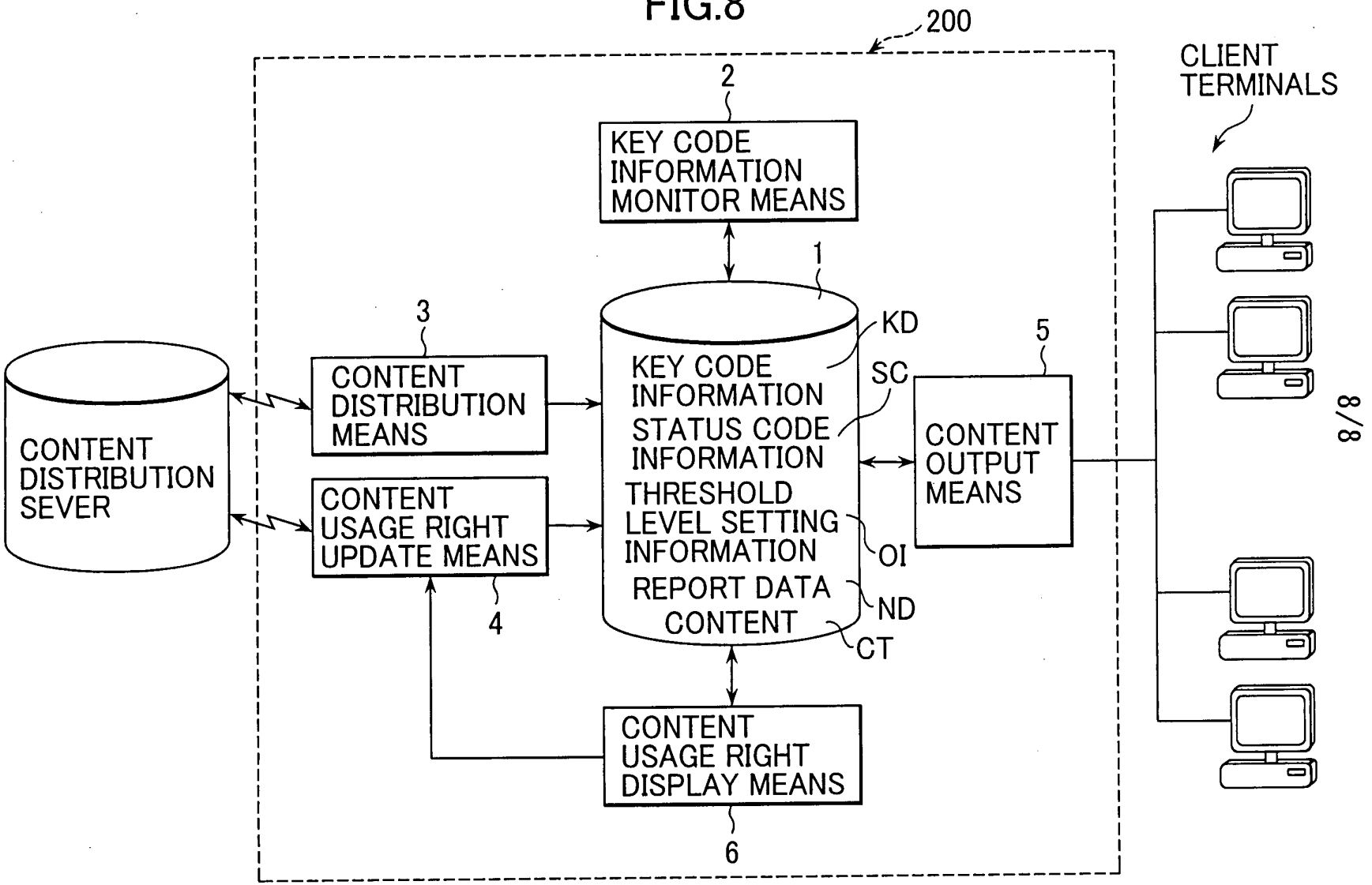

REPORT
ST100
EDIT REPORT MESSAGE
ST101
ST102
DISPLAY SCREEN ?
YES
DISPLAY SCREEN
NO
ST103
OUTPUT FILE ?
YES
OUTPUT FILE
NO
ST104
SEND MAIL ?
YES
SEND MAIL
NO
RETURN

FIG.8


200
2
KEY CODE INFORMATION MONITOR MEANS
1
3
CONTENT DISTRIBUTION SEVER
CONTENT DISTRIBUTION MEANS
CONTENT USAGE RIGHT UPDATE MEANS
4
KEY CODE INFORMATION
STATUS CODE INFORMATION
THRESHOLD LEVEL SETTING INFORMATION
REPORT DATA
CONTENT
KD
SC
OI
ND
CT
5
CONTENT OUTPUT MEANS
CONTENT USAGE RIGHT DISPLAY MEANS
6
CLIENT TERMINALS